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ARMY MEDICAL CENTER  
WASHINGTON, D. C.

ARMY DENTAL SCHOOL  
COURSE FOR DENTAL TECHNICIANS



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SEVENTEENTH SESSION

SEPTEMBER 15, 1938 TO SEPTEMBER 14, 1939

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ARMY MEDICAL CENTER  
ARMY DENTAL SCHOOL  
WASHINGTON.

COURSE FOR DENTAL TECHNICIANS IN  
DENTAL MECHANICS.

SEPT. 15, 1938 ..... SEPT. 14, 1939.

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THE ARMY MEDICAL CENTER

HEADQUARTERS.

BRIGADIER GENERAL WALLACE DEWITT  
MEDICAL DEPARTMENT  
COMMANDING.

Colonel Addison D. Davis,  
Medical Corps,  
Executive Officer.

1st Lieut W. Clark Cooper,  
Medical Corps,  
Adjutant.

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THE MEDICAL DEPARTMENT PROFESSIONAL SERVICE SCHOOLS.

BRIGADIER GENERAL WALLACE DEWITT  
MEDICAL DEPARTMENT  
COMMANDANT.

Colonel Joseph F. Siler,  
Medical Corps,  
Assistant Commandant.

Lieutenant Colonel George C. Dunham,  
Medical Corps,  
Secretary.

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THE ARMY DENTAL SCHOOL

Lieutenant Colonel Terry F. Bull,  
Dental Corps,  
Director.

Lieutenant Colonel Harold E. Albaugh,  
Dental Corps,  
Assistant Secretary.

THE UNITED STATES OF AMERICA

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

WASHINGTON, D. C.

OFFICE OF THE ASSISTANT SECRETARY

FOR LAND MANAGEMENT

WASHINGTON, D. C.

FOR THE SECRETARY OF THE INTERIOR

WASHINGTON, D. C.

1910

1911

THE UNITED STATES OF AMERICA

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FOR LAND MANAGEMENT

WASHINGTON, D. C.

STAFF

DENTAL TECHNICIANS COURSE

ARMY DENTAL SCHOOL

Sept. 15, 1938 ... Sept. 14, 1939.

Lieutenant Colonel Terry P. Bull, Dental Corps.	Director.
Lieutenant Colonel Harold E. Albaugh, Dental Corps.	Assistant Secretary.

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Lieutenant Colonel Harold E. Albaugh, Dental Corps.	Instructor in laboratory procedures and prosthetic technic.
Captain Roger G. Miller, Dental Corps.	Instructor of enlisted classes in prosthesis; Tooth carving.

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SCHEDULE

## COURSE FOR DENTAL TECHNICIANS.

Sept. 15, 1938..Sept. 14, 1939.

### Departments and Hours.

## Dental Mechanics.

- |  |             |
|--|-------------|
| 1. Organization, issue of supplies, etc..... | 3 hours.    |
| 2. Anatomy, General and Dental .....         | 31 hours.   |
| 3. Dental Prosthesis:                        |             |
| Lectures, full and partial ..                | 74 hours.   |
| Lectures, inlay, Crown and                   |             |
| Bridge .....                                 | 20 hours.   |
| Tooth carving .....                          | 25 hours.   |
| Practical Instruction.....                   | 1636 hours. |

Total ..... 1789 hours.

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Sept. 15. Opening talk to students. Lieut. Col. Terry P. Bull,  
Dental Corps, USA,  
Director.

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## COURSE FOR DENTAL TECHNICIANS.

Department of Dental Prosthesis.

Captain Roger G. Miller, Dental Corps.

Instructor.

Tooth carving .. 25 hours.. Captain Roger G. Miller, D.C., Instructor.

(a).

1. What is required of a technician in Dental Mechanics ?
2. How to become an efficient technician in Dental Mechanics.  
The advantages and opportunities offered at this school.
3. Care of laboratory equipment.
4. Boxing, packing and mailing of impressions, casts, inlays and appliances.
5. How to order and select teeth and prosthetic material.

(b).

Composition and physical properties of materials.

1. Materials required in dentistry, their general consideration and application.
2. Materials for dental casts.
3. Plastic compounds and waxes.
4. Denture base materials.
5. Weights and measures; Metric system; Troy system.
6. Curing of denture base materials.
7. Temperature scales - Fahrenheit and Centigrade.
8. Physical properties of metals used in Dentistry.

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## COURSE FOR DENTAL TECHNICIANS.

### Laboratory procedures in full denture prosthesis.

1. Boxing impressions and pouring for cast production.
2. Separating and surveying casts.
3. Duplicating casts.
4. Applying base plates to casts.
5. Construction of occlusal rims.
6. Selection and setting of teeth.
7. Preparation for try in and resetting to cast.
8. Waxing model denture prior to flasking.
9. Flasking trial wax denture.
10. Boiling out wax.
11. Packing rubber.
12. Testing pack and closing flask.
13. Vulcanizing.
14. Removing denture from flask after vulcanization.
15. Trimming and polishing of vulcanized denture.

### Laboratory procedures in partial denture prosthesis.

1. Boxing impressions and cast production.
2. Separating impressions and cast production.
3. Surveying cast, appliance design.
4. Base plate and wax occlusal rim; modeling compound rims.

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COURSE FOR DENTAL TECHNICIANS.

5. Application of occlusal rim and mandibular bite record to casts.
6. Transfer of mandibular relations to the articulator.
7. Outline and construction of metal attachments.
8. Wrought clasps, cast clasps, bars and saddles, construction of.
9. Setting and waxing of teeth.
10. Packing, vulcanizing, curing, trimming and polishing.

Inlays, crown and bridge attachment.

1. Investing, casting and polishing of inlays.
2. Impressions and cast production.
3. Selection and setting of teeth.
4. Assemble of parts.
5. Soldering of parts.

Informal reviews and quizzes at selected times will be given  
on the above subjects.

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COURSE FOR DENTAL TECHNICIANS.

Laboratory Technic.

1. Tooth carving; one half set, upper and lower.
2. Full upper and lower snap impressions; boxing and pouring of casts.
3. Full upper and lower vulcanite base plates; construction of.
4. Full upper and lower denture set up, vulcanized, finished, remounted on articulator and ground in.
5. Partial upper and lower impressions. Bite plates for.
6. Partial upper vulcanite rubber denture replacing four anterior teeth.
7. Fracture and repair of denture.
8. Full upper rebase, complete change of rubber.
9. Soldering technic.
10. Gold crowns, construction of; cast and swaged occlusal surfaces - Repair of bridges.
11. Upper four tooth bridges; cast pontics.
12. Cast inlays and  $\frac{3}{4}$  crowns.
13. Pontics - Steele's facings and posteriors.
14. Clasps; cast and wrought - occlusal rests.
15. Lower sanitary bridge; cast pontics.
16. Lingual bars.
17. Single piece casting.

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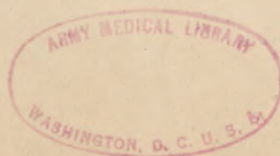




ROSTER OF CLASS.

1. Private First Class Sherman F. Andis, Walter Reed General Hospital Section.
2. Private First Class Leonard D. Green, Fort Sam Houston, Texas.
3. Private First Class Oather Stone, Fort Sill, Okla.
4. Private First Class Bernard H. Webering, Fort Thomas, Ky.
5. Private Lyman L. Ariel, Hq. & Service Section.
6. Private Homer O. Clayton, Fort Sam Houston, Texas.
7. Private Xavier B. Cosse, Walter Reed General Hospital Section.
8. Private Charlie E. Harwell, Fort Benning, Ga.
9. Private Frank M. Heckendorn, Hq. & Service Section.
10. Private Willard P. Henderson, Walter Reed General Hospital Section.
11. Private Haw Kirkpatrick, Fort Knox, Ky.
12. Private John M. O'Bryant, Fort Moultrie, S. C.
13. Private William R. Odahl, Letterman General Hospital.
14. Private Freedman R. Pairett, Army & Navy General Hospital.
15. Private E. R. Peters, March Field, Calif.
16. Private Quincy S. Travis, Fort Ontario, N. Y.

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